

ABSTRACT OF THE DISCLOSURE

5 A receiver device for a mobile radiocommunication unit communicating with a base station via a propagation channel includes a pathfinder for determining the time-delays associated with a multipath signal, a channel estimator supplying an estimate of the propagation channel to a filter unit, which can be made up of a bank of Wiener filters, which optimizes the estimates of the propagation channel, and to a speed estimator that supplies the estimated speed of the mobile radio communication unit to the filter unit so as to select the appropriate filter corresponding to the speed estimate.

10941707 083001